Ministry of
Northern Development
and Mines

Ontario

René Fontaine
Minister

George Tough
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

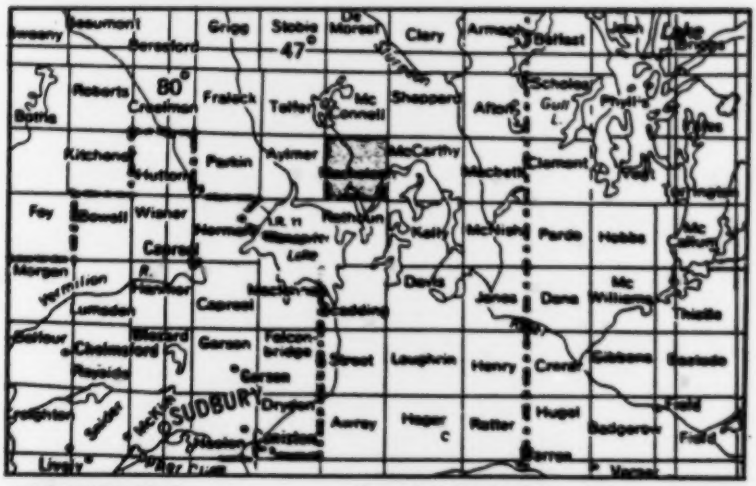
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 281

MACKELCAN TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-04814/

NTS Number 41 I/15

Mining Claim Map Number M.840

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Mackelcan Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 281, compiled by the staff of the Resident Geologist's Office, Sudbury, 20 pages and 2 maps.

Original Compilation by: Rob Campbell May 10, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

MACKELCAN TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 1 Map

Exploration Data Map - 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.C.
2	Assessment Files Research Office, Toronto	N.A.	R.C.
3	ODM General Index; 9volumes	Yes	R.C.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.C.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	R.C.
6	ODM Industrial Mineral Reports	Yes	R.C.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	R.C.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.C.
9	Newspaper Clippings File	Yes	R.C.
10	GSC Index to Publications	Yes	R.C.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	No	R.C.
12	OGS Index Maps	Yes	R.C.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	R.C.
14	Author - Subject Articles File	Yes	R.C.
15	Miscellaneous Papers: ODM & OGS	Yes	R.C.
16	ODM Geological Circulars: OGS Study Series , Reports	Yes	R.C.
17	ODM Preliminary Reports: ODM Bulletins	No	R.C.
18	ODM – OGS Open File Reports	Yes	R.C.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.C.
20	OGS Aggregate Resources Inventory Papers	N.A.	R.C.
21	OGS Mineral Potential Maps	Yes	R.C.
22	Theses on File, Sudbury	Yes	R.C.
23	Aerial Photographs on File, Sudbury	Yes	R.C.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . Anhydrite
▲ ank. . . . . Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . Apatite
△ arg . . . . . Argentite
△ As . . . . . Arsenic
△ asp . . . . . Arsenopyrite
△ asb . . . . . Asbestos
△ ba. . . . . Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . Bornite
△ bran . . . . . Brannerite
△ bruc . . . . . Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
▲ carb . . . . . Carbonate
△ cel . . . . . Celestite
▲ cc. . . . . Chalcocite
▲ cp. . . . . Chalcopyrite
▲ ch. . . . . Chert
△ clay . . . . . Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . Columbite
▲ Cu . . . . . Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
▲ fel . . . . . Feldspar
△ fl . . . . . Fluorite (flurospar)

△ fu. . . . . Fuchsite
△ gn. . . . . Galena
△ gt. . . . . Garnet
△ goe . . . . . Goethite
▲ Au . . . . . Gold
△ gf . . . . . Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
▲ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
▲ kaol . . . . . Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
▲ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
▲ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
▲ mar. . . . . Marcasite
△ ma . . . . . Marl
△ mi . . . . . Mica
△ mi . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . Niccolite

▲ Ni. . . . . Nickel
△ Nb . . . . . Niobium
△ Pd . . . . . Palladium
△ peat . . . . . Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . Platinum
▲ py . . . . . Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . Pyrolusite
▲ po . . . . . Pyrrhotite
▲ q . . . . . Quartz
▲ qcv . . . . . Quartz carbonate vein
△ ra. . . . . Radioactive minerals
△ RE . . . . . Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . Silver
△ sl . . . . . Slate
△ sm . . . . . Smaltite
△ sod . . . . . Sodalite
▲ spec . . . . . Specularite
△ sp. . . . . Sphalerite
△ spd . . . . . Spodumene
△ staur . . . . . Staurolite
△ stib. . . . . Stibnite

△ st . . . . . Stone
△ talc. . . . . Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . Thorite
△ Th . . . . . Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . Uranium
△ verm . . . . . Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . Zinc
△ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MACKELCAN TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Flag Resources Ltd.	py	-	-	Shareholders Report surface sample
B	Flag Resources Ltd.	py,cp,mag, Au,Cu	-	-	Drill Logs
C	Flag Resources Ltd.	py,mar,Au	-	-	Drill Logs

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Ateba Mines Ltd. (Canadian Occidental Petroleum)	81							81	81										
2	Barry, H. V.			73																
3	Canadian Occidental Petroleum								81	81										
4	Flag Resources Ltd.	81	82	81	81 83 84	81 83 84		81				81	81		81					
5	Hecla Mining Company of Canada (Flag Resources)				83 84	83 84														
6	Patrie, J. P.				72	72														
7	Sheppard, T.											82								

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Flag Resources Ltd.	WL-81-1	1981	-	90	4	272	py	Au
1a		WL-83-17	1983	130	50	6	207	mag	-
1b		WL-83-13	1983	128	50	6	944	py,mag,Au	Au
1c		WL-83-27	1983	200	60	6	595	py,cp,mag	Au
2		WL-81-2	1981	-	90	35	209	-	Au
3		WL-81-3	1981	242	60	8	163	cp	Au
3a		WL-81-4	1981	242	45	8	88	-	-
3b		WL-81-17	1981	090	50	4	511	py,hem	Au
3c		WL-81-18	1981	282	50	6	301	py,cp,Au,hem	Au,Cu
3d		WL-83-21	1983	330	70	8	355	mag -	-
3e		WL-83-28	1983	-	90	0	600	cp,py,mag	Au,Cu
3f		WL-83-29	1981	-	90	10	200	-	Au
3g		WL-83-30	1983	-	90	1	259	-	-
3h		WL-83-31	1983	-	90	4	217	-	Au
3i		WL-83-32	1983	-	90	4	227	cp,py	Au
3j		WL-83-33	1983	090	62	6	236	py,cp	Au,Cu
3k		WL-83-34	1983	090	70	6	227	cp,py,co	Au,Cu
3l		WL-83-35	1983	180	70	4	140	py	Au,Cu
3m		WL-83-36	1983	180	70	2	247	py,cp,co	Au,Cu
3n		WL-83-37	1983	180	60	6	348	mag	-
3o		WL-83-39	1983	-	90	2	207	py	-
3p		WL-83-40	1983	-	90	10	307	mag	-
3q		WL-83-41	1983	360	70	4	267	cp,co,py,Au	Au,Cu
3r		WL-83-42	1983	-	90	0	207	py,cp	Au,Cu
3s		WL-83-43	1983	-	90	2	227	-	-
3t		WL-83-44	1983	-	90	6	102	-	-
3u		81-84-17	1983	090	50	ext.81-17	1480	mag,py,cp	Au
3v		WL-84-4	1984	121	45	10	1017	py,cp,mag	Au
3w		WL-84-11		346	70	No	Data		
3x		WL-84-17		090	50	No	Data		
3y	Patrie, J. P.	No.1	1972	289	64	0	44	py	Au,Cu
3z		No.2	1972	116	74	0	28	py	Au

MACKLIN TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
3aa	Patrie, J. P.	No.3	1972	220	55	0	49	py	Au
3bb		No.4	1972	010	55	0	33	py	Au
4	Flag Resources Ltd.	WL-81-5	1981	290	62	68	283	cp,py,mar	Au,Cu,Ag
4a		WL-81-6A	1981	290	63	74	318	py,cp	Au,Cu,Co
4b		WL-81-7	1981	290	64	60	294	py,cp	Au,Ag
4c		WL-81-6	1981	290	74	81	104	py	Au
4d		WL-81-8	1981	090	50	5	640	py,cp	Au
4e		WL-81-9	1981	090	60	20	574	py,cp	Au,Ag,Co
4f		WL-81-11	1981	090	60	7	568	cp,py,Au	Au,Cu
4g		WL-81-12	1981	090	60	4	517	cp,py,hem	Au,Ag,Cu,Co
4h		WL-81-13	1981	090	60	2	564	py,cp	Au,Cu
4i		WL-81-14	1981	090	60	4	596	py,cp,hem	Au,Cu
4j		WL-81-20	1981	-	90	4	441	py,cp,hem	Au
4k		WL-81-10	1981	-	90	8	132	-	-
4l		WL-81-10A	1981	290	50	8	297	-	-
4m		WL-81-16	1981	090	60	12	683	py,hem	-
4n		WL-81-19	1981	-	90	10	335	hem	-
4o		WL-81-15	1981	080	50	8	437	hem	Au
4p		WL-83-1	1983	-	90	70	546	py,cp	Au,Cu
4q		WL-83-2	1983	-	90	116	553	py,cp	Au
4r		WL-83-3	1983	-	90	40	407	py,cp	Au,Cu
4s		WL-83-4	1983	-	90	15	367	cp,py,hem	Au
4t		WL-83-5	1983	-	90	15	495	py,hem	-
4u		WL-83-6	1983	-	90	100	444	py,cp	Au
4v		WL-83-7	1983	-	90	96	527	py,cp	Au
4w		WL-83-8	1983	-	90	110	200	-	-
4x		WL-83-9					No	Data	
4y		WL-83-11	1983	-	90	155	155	Abandoned	No Core
4z		WL-83-12	1983	-	90	37	397	py,cp	Au
4aa		WL-83-16	1983	090	60	18	327	py,cp.Au	Au
4bb		WL-83-18	1983	090	60	8	454	py,cp	Au
4cc		WL-83-20	1983	-	90	Deepen 81-20	1001	mag	-

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
4dd	Flag Resources Ltd.	WL-84-2	1984	182	45	14	770	cp,py	Au
4ee		WL-84-3	1984	166	45	14	177	py,cp	Au
4ff		WL-84-5	1984	270	70	4	484	py	Au
4gg		WL-84-7		-	90	No	Data		
4hh		WL-84-8		180	45	No	Data		
5		A-81-1	1981	248	50	8	352	py	Au,Ag,Co,Ni
5a		A-81-4	1981	248	50	4	559	py,mar	Au,Ag,Co,Ni
5b		A-81-5	1981	248	60	4	235	py,mar	Au
5c		A-81-6	1981	248	50	4	228	py,mar	Au
5d		A-81-7	1981	248	60	6	189	py	Au
5e		A-81-8	1981	090	50	20	289	py,mar	Au
5f		A-81-9	1981	145	80	18	398	py	Au
5g		A-83-21	1983	275	60	8	801	py	Au
5h		A-83-22	1983	-	90	0	200	py	Au
5i		A-83-23	1983	-	90	10	158	py	-
5j		A-83-23A	1983	205	50	6	100	py	-
5k		A-83-24	1983	-	90	2	400	py	Au
51		A-81-83-9	1983	150	85	379	867	py	Au
6		A-81-2	1981	290	45	10	455	py,mar	Au,Ag
6a		A-83-5	1983	-	90	14	847	py,mag	Au
6b		A-83-6	1983	-	90	16	637	py	Au
6c		A-83-7	1983	290	45	6	467	py,mar,mag	Au
6d		A-83-7A	1983	290	60	8	507	py,mag	Au
6e		A-83-8	1983	290	45	6	387	mag	-
6f	Flag Resources Ltd.	A-83-9	1983	290	45	3	387	py,mar	Au
6g		A-83-10	1983	290	45	4	347	py	Au
6h		A-83-10A	1983	290	60	4	207	py	Au
6i		A-83-11	1983	290	45	8	311	py,mar,mag	Au
6j		A-83-12	1983	284	45	10	377	py,mag,mar	Au
6k		A-83-13				No	Data		
61		A-83-14	1983	284	45	6	307	py	Au
6m		A-83-15	1983	290	45	6	227	py	Au
6n		A-83-16	1983	290	45	14	87	-	-

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
6o	Flag Resources Ltd.	A-83-17	1983	-	90	6	787	py	Au
6p		A-83-18	1983	-	90	14	677	py	Au
6q		A-83-19	1983	-	90	4	677	py	Au
6r		A-83-20	1983	-	90	2	1100	py	Au
6s		A-83-1	1983	290	60	6	444.5	py	Au
6t		A-83-3	1983	-	90	2	917	py,mar	Au
6u		A-83-3A	1983	090	50	4	797	py,mar,mag	Au
6v		A-84-1	1984	-	90	23	277	py,mar	Au
6w		A-84-2	1984	-	90	35	347	py,mag	Au
6x		A-84-3	1984	-	90	10	257	py	Au
6y		A-84-4	1984	-	90	11	277	py	Au
6z		A-84-5	1984	-	90	9	277	py	Au
6aa		A-84-6	1984	-	90	12	317	py	Au
6bb		A-84-7	1984	-	90	5	307	py	Au
6cc		A-84-8	1984	-	90	45	250	py	Au
6dd		A-84-9	1984	-	90	12	257	py	Au
7		A-81-3	1981	270	60	8	323	py,hem,cp,po	Au,Ag
8		A-83-2A	1983	270	50	55	55	Hole	Abandoned
9		A-83-2	1983	270	50	60	377	py	Au
10		WL-83-10	1983	-	90	71	201	-	-
11		WL-83-14	1983	-	90	82	251	-	-
12		WL-83-15	1983	270	50	6	440	-	-
12a		WL-83-23	1983	-	90	72	217	-	-
13		WL-83-19	1983	-	90	82	97	-	-
14		WL-83-24	1983	360	50	6	229	-	-
14a		WL-83-24A	1983	-	90	6	403	py,cp,Au	Au
14b		WL-83-24B	1983	360	70	6	33	-	-
14c		WL-83-24C	1983	090	50	8	76	-	-
14d		WL-83-25	1983	270	45	6	207	-	-
14e		WL-83-45	1983	-	90	0	200	py	-
15		WL-83-26	1983	102	45	34	427	py	-
15a		WL-83-38	1983	180	60	22	502	py	-
16		WL-83-22	1983	315	50	10	323	-	Au

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
17	Flag Resources Ltd.	WL-84-1	1984	-	90	193	235	py,cp,Au	Au
18		WL-84-6	1984	090	45	5	500	py	Au
19		WL-84-9		090	45	No	Data		
19a		WL-84-10	1984	090	45	24	150	-	-

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
3	Kenting Earth Sciences Ltd. Canadian Occidental Petroleum	Airborne Magnetometer and V.L.F.	150 to 200'	East-West North-South	1320 '

GDIF FORM NO. 4

MACKELCAN TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
1	Lake Sediment Survey	Copper & Gold	R.E.Goad & S.C. Harrigan For Flag Resources	Mackelcan 0022 Sudbury Assessment Files

GDIF FORM NO.

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

TRV Minerals
Northern Miner Nov.22, 1979

Hecla Mining Co.
Northern Miner Sept.16, 1984

Flag Oils (Golden Briar)

Listing, Alberta Stock Exchange	Jan.18, 1985
Canadian Mining Journal	Dec.1984, p.17
Northern Life	Mar.4, 1981
	Mar.17, 1983
	Mar.24, 1983
	Apr.14, 1983
	May 10, 1983
	June 30, 1983
	July 7, 1983
	Aug.6, 1983
	Aug.11, 1983
	Sept.1, 1983
	Oct.6, 1983
	Oct.27, 1983
	Nov.10, 1983
	Dec.15, 1983
	Dec.22, 1983
	Jan.12, 1984
	Apr.26, 1984
	May 24, 1984
	July 12, 1984
	Sept.16, 1984
	Oct.11, 1984
	Jan.9, 1985
Northern Miner	Dec.18, 1980
	Mar.5, 1981
	May 7, 1981
	June 11, 1981
	June 25, 1981
	July 9, 1981
	Oct.22, 1981
	Nov.25, 1982
	Jan.20, 1983
	Mar.3, 1983
Sudbury Star	Aug.6, 1983

ODM GENERAL INDEX SEARCH

Words searched:

ATEBA MINES LTD.
BARRY, H. W.
BONESTEEL LAKE
BOOT LAKE
BROWN, B.
CANADIAN OCCIDENTAL PETROLEUM
COBALT SERIES
CONSOLIDATED PROFESSOR MINES LTD.
CORNER BAY EXPLORATION LTD.
DEJOUR MINES LTD.
DEWDNEY LAKE
FLAG OILS LTD.

Index Volume	Listing:	Report Volume	Part	Page
1	DEWDNEY LAKE			
-	N.O. - Report of the Survey and Exploration of Northern Ontario, 1900	N.O.		83 84 98
2	GOWGANDA FORMATION			
	Age and composition	21	2	350
7	LORRAIN FORMATION			
	Quartzite			
	Distribution, sk. map	IMR9		6
	Lithology and structure	IMR2		6
		IMR9		7,8
	Occurrences in Ontario	IMR2		6-11
		IMR9		8-15
	Sudbury dist.	GR1		8
9	JEROME, A.			
	Mackelcan Tp., Sudbury Dist.	MP82		111
9	MACKELCAN TP. & Southern Wanapitei Lake Area, Sudbury Dist. summary of fieldwork, 1978 by B. Dressler	MP82		111-115
1	MATAGAMASI LAKE, East of Wanapitei Lake,			
	N.O.	N.O.		83
	Gold mining on and near	7		140,141
	Stamp mill	7		87
	Photo	7		124,125
	Rocks on and near			
	argillites	1		73
	conglomerates	10		203
	quartzites	1		72
	roofing slate	1		93

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

FLAG RESOURCES LTD.	JEROME, A. E.	MACKELCAN TWP.	RATHWELL LAKE
FRANKS LAKE	JESS LAKE	McLEOD, M.	SHEPPARD, T.
GOLDEN BRIAR	JONES LAKE	MATAGAMASI LAKE	THOMAS LAKE
GOWGANDA FORMATION	LAUNDRY LAKE	OTTER LAKE	UPPER HURONIAN
HOUSTON LAKE	LORRAIN FORMATION	PATRIE, J. P.	WESSEL LAKE
IRISH LAKE	McCARTHY BAY	PELO LAKE	WOLF LAKE

Index Volume	Listing:	Report Volume	Part	Page

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S. B.	1974-75	Sudbury Cobalt Geological Compilation (revised)	O.G.S. Map 2361	1"=4 mi.
Dressler, B. O.	1984	Sudbury Geological Compilation	O.G.S.-O.D.M. Map 2491	1:50,000
	1983	Sudbury Mining Area East Part	O.G.S. Map 2603	1:50,000
Lumbers, S. B.	1973	River Valley Area, Districts of Nipissing and Sudbury	O.D.M. Map P.844	1"=1 mi.
Meyn, H. D.	1966	Capreol Sheet	O.G.S. Map P.367	1"=2 mi.
		GEOPHYSICAL MAPS		
Gupta, V. K.	1981	Bouguer Gravity and Generalized Geology Map, Sudbury-Onaping Lake	O.G.S. Map P.2482	1:100,000
O.G.S.-G.S.C.	1965	Aeromagnetic Map - Glen Afton Sheet	7067G	1"=4 mi.
Dept. of E.M.R.	1975	Aeromagnetic Map - Milnet Sheet	1512G	1"=1 mi.
G.O.H. Consultants	?	Aeromagnetic Map - Sudbury Research Project Map 4	Map 4	1"=½ mi.
O.D.M.-G.S.C.	1976	Uranium Reconnaissance Programs Airborne Gamma Ray Spectrometer Survey Sudbury	O.G.S. Map 1610	1"=100,000
		SURFICIAL PLEISTOCENE TERRAIN ENGINEERING		
Dept. of E.M.R.	1975	Topographic Map - Milnet		1:50,000

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map Capreol N.O.E.G.T. Study 95 Capreol	Map 5001	1:100,000
		MINERAL POTENTIAL MAPS		
Innes, D. G., Jost, M.	1977	Nickel Deposits of Ontario, East Central Sheet, Districts of Thunder Bay, Algoma, Cochrane, Sudbury, Timiskaming & Nipissing	O.G.S. Map P.1062	1"=16 mi.
Meyn, H. D., Howarth, J. R.	1977	Molybdenum Deposits of Ontario East Central Sheet	O.G.S. Map P.1246	1"=16 mi.
Springer, J.	1982	Mineral Potential Map of Ontario East Central Sheet	O.G.S.-OFR5327 Map 2393	1"=16 mi.
	1977	Ontario Mineral Potential Northern Part of Sudbury Sheet and Part of North Bay Sheet	O.G.S. Map 1512	1:250,000
		GEOCHEMICAL		
		None as of May 10, 1985		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1981	Mackelcan Township, Sudbury Data Series	O.G.S. Map P.2142	1"=¼ mile
Dressler, B.	1982	Geology of the Wanapitei Lake Area District of Sudbury	O.G.S. GR213	
	1980	Geology of the Wanapitei Lake Area District of Sudbury	OFR5287	
	1981	Otter Lake - Sudbury District	O.G.S. Map 2450	1"=¼ mile

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Kustra, C. R.	1981	Annual Report of the Resident Geologists and Regional Geologists	MP101	
Milne, V. G., et al	1980	Summary of Field Work by the O.G.S.	MP96	p.136 & 137
	1979	Summary of Field Work by the O.G.S.	MP90	p.2,3,4
	1978	Summary of Field Work by the O.G.S.	MP82	p.111-115
		JOURNAL ARTICLES, THESES, TECHNICAL PAPERS		
Goad, R. E.	1982	A Description and Proposed Genesis of the Wolf Lake Gold Deposit. H.B.Sc. Western	Sudbury Theses File	
Hadley, D. G.	1968	The Sedimentology of the Huronian Formation, Ontario, Quebec. Ph.D. J.H.U.	Sudbury Theses File	
McDowell, J. P.	1963	A Paleocurrent Study of the Mississagi Quartzite Along the West Shore of Lake Huron. Ph.D. J.H.U.	Sudbury Theses File	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.8

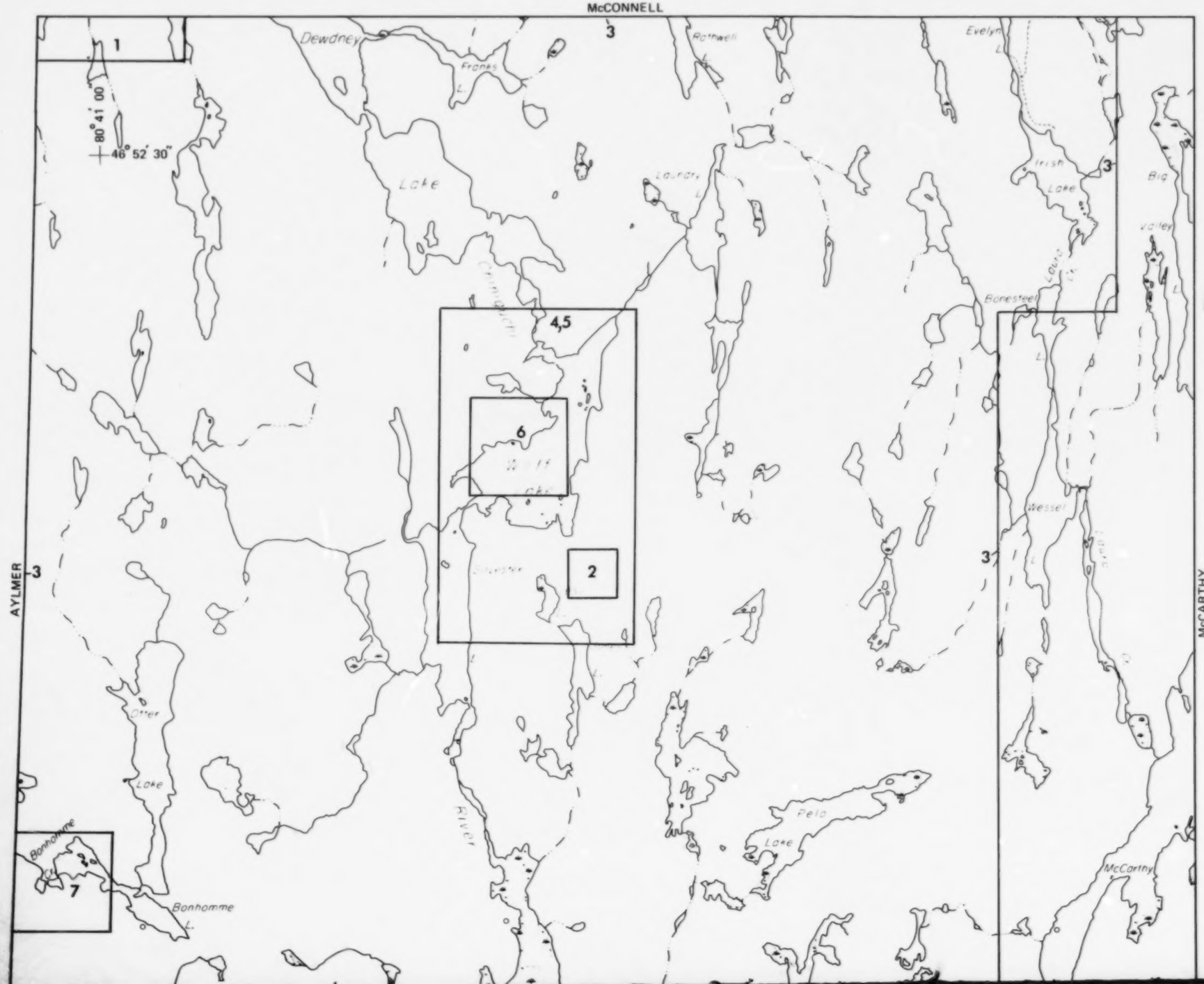
NOTES AND ADDENDA

Aerial Photographs Index

Sudbury File

Scale 1"= ¼ mile

Year	Roll	Line	Numbers
1946	37	142	24-31
	38	141	35,36
	40	139	80,81
	42	138	28
1970	24	4634	195-200
	24	4633	240-245



Ministry of Northern Development and Mines

Ontario

René Fontaine
Minister

George Tough
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 281

(Map 1 of 2)

MACKELCAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL DATA INVENTORY FOLIO 281

(Map 1 of 2)

MACKELCAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

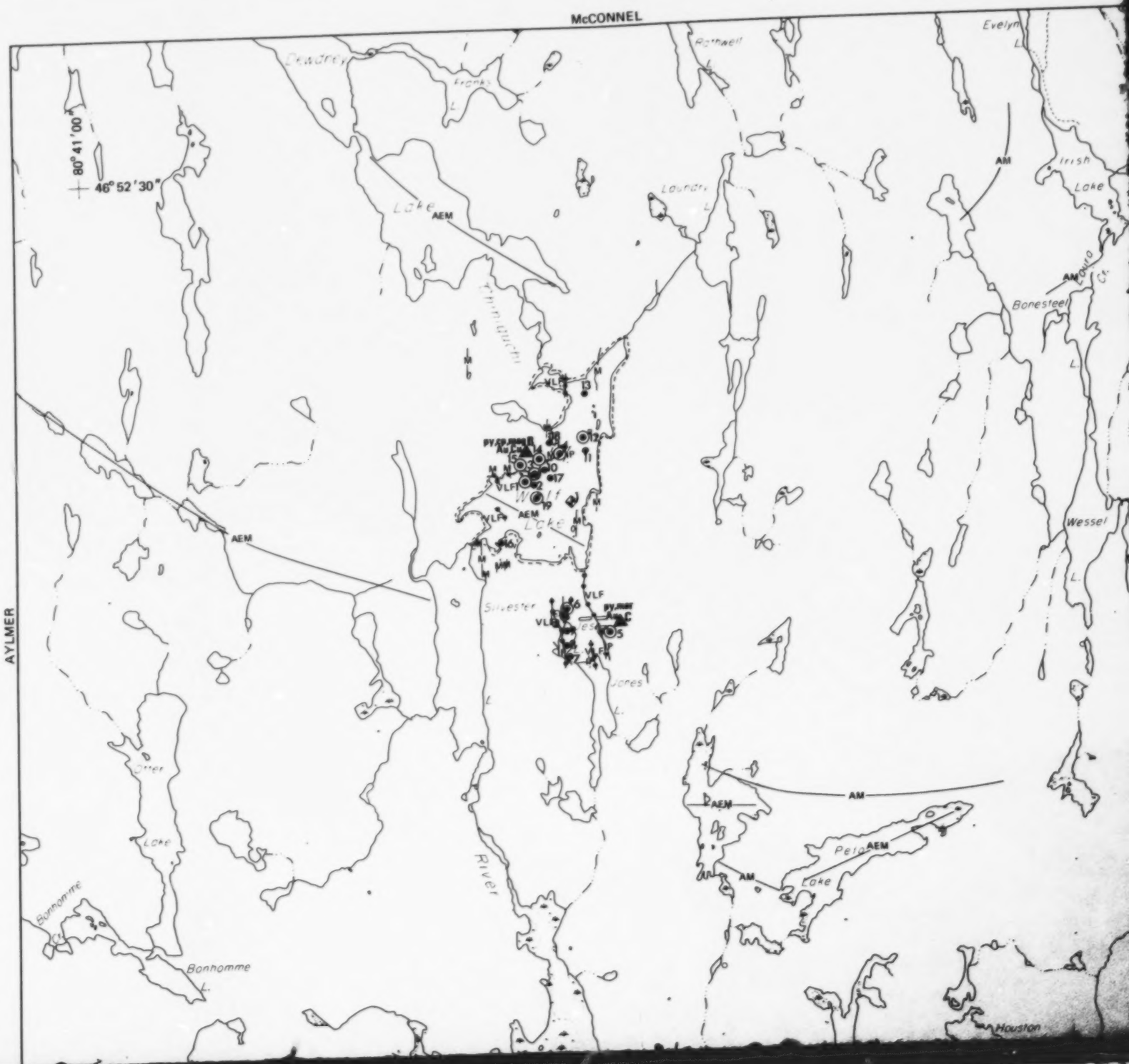
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly Length of anomaly along flight line
- Airborne electromagnetic anomaly Location of anomaly along flight line
- Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly (VL - Vertical loop; HL - Horzontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry



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ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 281

(Map 2 of 2)

MACKELCAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter

DRILLHOLE

- ■ 2 — Location of single drillhole, with reference number
- ■ 2 — Location of closely spaced group of drillholes, with reference number

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horzontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

GEOLOGICAL DATA INVENTORY FOLIO 281

(Map 2 of 2)

MACKELCAN TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

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- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

McCARTHY

RATHBURN

46°49'00" 80°34'00"